Creative Enzymes®

tRNA (adenine57-N1/adenine58-N1)-methyltransferase

Cat. No. EXWM-1821

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the formation of N1-methyladenine at two adjacent positions (57 and 58) in the T-loop of certain tRNAs (e.g. tRNAAsp). Methyladenosine at position 57 is an obligatory intermediate for the synthesis of methylinosine, which is commonly found at position 57 of archaeal tRNAs.
Synonyms	TrmI; PabTrmI; AqTrmI; MtTrmI

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.1.1.219
Reaction	2 S-adenosyl-L-methionine + adenine57/adenine58 in tRNA = 2 S-adenosyl-L-homocysteine + N1-methyladenine57/N1-methyladenine58 in tRNA
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.